

ABSTRACT

The AGC circuit that is provided in an RF receiver is equipped with the detection circuit that detects a high frequency reception signal and outputs the detection signal including a pulsating component and implements the gain control on an RF amplification circuit according to the detection output. The amplifier (DC amplifier) that is connected immediately after the detection circuit is configured to be deteriorated in its high frequency property or a unit that deteriorates the high frequency property is connected to the amplifier. According to such a configuration, the pulsating component that is overlapped with the detection output is removed as much as possible.